

1 IN THE CLAIMS:

2 Please amend the claims as follows:

3 Claims 1-8 (Previously Canceled)

4 9. (Previously amended and currently amended)

5 A threaded insert for insertion in a hole in a workpiece, the workpiece having a first side
6 and a second side, the hole having a hexagonal cross-section, said threaded insert comprising:

7 a first flange for being retained on the first side of the workpiece;

8 a hollow body, comprising a first section and an axially adjacent second section, the first
9 section having a proximal end attached to the first flange and a distal end wherein the first
10 section integrally transitions into the second section, said first section having six sides, the
11 sides extending axially from the proximal end to the distal end, the sides, in cross-section,
12 defining a hexagon, said first section adapted to be inserted through and restrained from
13 rotation by said hole, wherein at least three vertices of the hexagon each has a split
14 extending axially along the respective vertex wherein the splits are phased 120 degrees
15 apart, said first section plastically deformable to form an enlarged portion on the second
16 side; and

17 the second section having internal threads adapted to receive a threaded fastener.

18 10. (Original)

19 The insert of claim 9 wherein the second side is blind.

20 11. (Original)

21 The insert of claim 9 wherein the second section is round.

22 12. (Original)

23 The insert of claim 9 wherein the second section has a closed end.

24 13. (Original)

25 The insert of claim 9 wherein a sealing material is affixed to the underside of the first
26 flange adjacent to the first side of the workpiece.

27 14. (Original)

The insert of claim wherein the sealing material comprises polyvinyl chloride foam.

15. (Previously Canceled)

16. (Original)

The insert of claim 9 wherein a split is located along each vertex of the hexagon.

17. (Previously Canceled)

18. (Canceled)

19. (Previously Canceled)

1 20. (Original)

2 A threaded insert for insertion in a hole in a workpiece, the workpiece having a first side
3 and a second side, the hole having a hexagonal cross-section, said threaded insert comprising:

4 a first flange for being retained on the first side of the workpiece;

5 a hollow body, comprising a first section and an axially adjacent round second section, the
6 first section having a proximal end attached to the first flange and a distal end wherein the
7 first section integrally transitions into the second section, said first section having six
8 sides, the sides extending axially from the proximal end to the distal end, the sides, in
9 cross-section, defining a hexagon, said first section adapted to be inserted through and
10 restrained from rotation by said hole, a split extending axially along each of three vertices
11 of the hexagon, wherein the splits are 120 degrees apart, said first section plastically
12 deformable to form an enlarged portion on the second side; and

13 the second section having internal threads adapted to receive a threaded fastener.

14 21. (Original)

15 The insert of claim 20 wherein the second side is blind.

16 22. (Original)

17 The insert of claim 20 wherein the second section has a closed end.

18 23. (Original)

19 The insert of claim 20 wherein a sealing material is affixed to the underside of the first
20 flange adjacent to the first side of the workpiece.

21 24. (Original)

22 The insert of claim 23 wherein the sealing material comprises polyvinyl chloride foam.

23 25. (Original)

24 A method of attaching fasteners to a workpiece, the workpiece having a first side and a
25 second side, the method comprising the steps of:

26 punching a hole through the workpiece, the hole having a polygonal cross-section;

27 attaching a threaded insert to an installation tool, the threaded insert comprising:

(a) a first flange for being retained on the first side of the workpiece;

(b) a hollow body, comprising a first section and an axially adjacent second
section, the first section comprising a proximal end attached to the first
flange and a distal end wherein the first section integrally transitions into
the second section, said first section comprising a plurality of sides, the
sides extending axially from the proximal end to the distal end, the sides, in
cross-section, defining a polygon having the same cross-sectional shape as
the hole, said first section adapted to be inserted through and restrained
from rotation by said hole, at least one of the sides having a split extending

- 1 axially along the side, said first section plastically deformable to form an
2 enlarged portion on the second side; and
3 (c) the second section having internal threads adapted to receive a threaded
4 fastener;
5 inserting the hollow body of the threaded insert into the hole;
6 activating the installation tool to create an enlarged portion of the first section of the
7 threaded insert on the second side;
8 removing the installation tool; and
9 inserting a threaded fastener into the threads of the threaded insert.
- 10 26. (Original)
11 The method of claim 25 wherein the second side is blind.
- 12 27. (Original)
13 A method of attaching fasteners to a workpiece, the workpiece having a first side and a
14 second side, the method comprising the steps of:
15 punching a hole through the workpiece, the hole having a polygonal cross-section;
16 attaching a threaded insert to an installation tool, the threaded insert comprising:
17 (a) a first flange for being retained on the first side of the workpiece;
18 (b) a hollow body, comprising a first section and an axially adjacent second
19 section, the first section having a proximal end attached to the first flange
20 and a distal end wherein the first section integrally transitions into the
21 second section, said first section having six sides, the sides extending
22 axially from the proximal end to the distal end, the sides, in cross-section,
23 defining a hexagon, said first section adapted to be inserted through and
24 restrained from rotation by said hole, at least one of the sides having a split
25 extending axially along the side, said first section plastically deformable to
26 form an enlarged portion on the second side; and
27 (c) the second section having internal threads adapted to receive a threaded
fastener;
inserting the hollow body of the threaded insert into the hole;
activating the installation tool to create an enlarged portion of the first section of the
threaded insert on the second side;
removing the installation tool; and
inserting a threaded fastener into the threads of the threaded insert.
28. (Original)
The method of claim 27 wherein the second side is blind.